BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division, Yelahanka zone

Modified Schedule B

NAME OF WORK: Improvements to Roads and Drains at Kattigenahalli Colony ,Chokkanahalli Colony , Thirumenahalli Colony , Jakkur Colony and Basavalingappa Nagara Colony in Ward No.05

Sl No	Modified Quantity	Description of work	Unit	Approved Rates of Sri.K Dileep Kumar	
				In figures	In words
1	0	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications.	Cum	0.00	0
2	0	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete	Cum	0.00	0
3	4944.08	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications	Cum	217.88	Rupees Two Hundred Seventeen and Eighty Eight Paise Only
4	0.00	Excavation by manual means for foundation of buildings, water supply & sanitary lines and electrical conduits etc., either in pits or in trenches 1.50m and above in width , soft rock/ Ordinary Rock without Blasting not exceeding 1.5 m. in depth, Including stacking the excavated stuff Clear from edges of excavation with lead upto 50m including cost of explosives, labour and HOM of equipment complete as per specifications.	Cum	0.00	0
5	0	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	0.00	0

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6	1100.76	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.	Cum	5690.28	Rupees Five Thousand Six Hundred Ninety and Twenty Eight Paise Only
7	1328.72	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer-in-charge of the work	Cum	7420.17	Rupees Seven Thousand Four Hundred Twenty and Seventeen Paise Only
8	87.51	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	tonne	68266.72	Rupees Sixty Eight Thousand Two Hundred Sixty Six and Seventy Two Paise Only
9	3063.17	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc	Sqm	2452.68	Rupees Two Thousand Four Hundred Fifty Two and Sixty Eight Paise Only

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10	82.06	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc .and as per the directions of the Engineer-in-charge of the work	Sqm	5686.19	Rupees Five Thousand Six Hundred Eighty Six and Nineteen Paise Only
11	0	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification	Cum	0.00	0
12	0	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and	Nos	0.00	0
13	0	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	0.00	0
14	3535.77	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications.**Quantity upto 125%**	Sqm	43.39	Rupees Forty Three and Thirty Nine Paise Only
15	4064.25	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications **Quantity upto 125%**	Sqm	6.67	Rupees Six and Sixty Seven Paise Only

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	2146.52	Quantity above 125%	Sqm	6.67	Rupees Six and Sixty Seven Paise Only
16	401.25	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	2093.67	Rupees Two Thousand Ninety Three and Sixty Seven Paise Only
17	700.18	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **Quantity upto 125%**	Cum	2100.34	Rupees Two Thousand One Hundred and Thirty Four Paise Only
	903.92	Quantity above 125%	Cum	2100.34	Rupees Two Thousand One Hundred and Thirty Four Paise Only
18	3044.25	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.Quantity upto 125%	Sqm	23.36	Rupees Twenty Three and Thirty Six Paise Only
	1228.84	Quantity above 125%	Sqm	23.36	Rupees Twenty Three and Thirty Six Paise Only

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19	3044.25	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications **Quantity upto 125%**	Sqm	31.15	Rupees Thirty One and Fifteen Paise Only
	2165.09	Quantity above 125%	Sqm	35.60	Rupees Thirty Five and Fifty Nine Paise Only
20	152.21	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications **Quantity upto 125%**	Cum	6724.88	Rupees Six Thousand Seven Hundred Twenty Four and Eighty Eight Paise Only
	108.25	Quantity above 125%	Cum	7653.79	Rupees Seven Thousand Six Hundred Fifty Three and Seventy Nine Paise Only
21	3044.25	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. **Quantity upto 125%**	Sqm	5.56	Rupees Five and Fifty Six Paise Only
	4970.97	Quantity above 125%	Sqm	5.56	Rupees Five and Fifty Six Paise Only
22	3044.25	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications **Quantity upto 125%**	Sqm	13.35	Rupees Thirteen and Thirty Five Paise Only

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	7448.42	Quantity above 125%	Sqm	13.35	Rupees Thirteen and Thirty Four Paise Only
23	121.78	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. **Quantity upto 125%**	Cum	7910.77	Rupees Seven Thousand Nine Hundred Ten and Seventy Seven Paise Only
	297.93	Quantity above 125%	Cum	8967.62	Rupees Eight Thousand Nine Hundred Sixty Seven and Sixty Two Paise Only
24	92.81	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.Quantity upto 125%	Sqm	477.25	Rupees Four Hundred Seventy Seven and Twenty Five Paise Only
	217.43	Quantity above 125%	Sqm	477.25	Rupees Four Hundred Seventy Seven and Twenty Four Paise Only
25	69.00	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.	Cum	1000.11	Rupees One Thousand and Eleven Paise Only

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26	378.08	Cement concrete pavement.Construction of un-reinforced plain cement concrete for pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints	Cum	5468.90	Rupees Five Thousand Four Hundred Sixty Eight and Ninety Paise Only
E1	1245.62	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	126.93	Rupees One Hundred Twenty Six and Ninety Two Paise Only

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